

Chapter 9 Braking system

For modifications, and information applicable to later models, see Supplement at end of manual

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Specifications

System type	Lockheed single or dual circuit hydraulic, servo assisted on Cooper S and 1275GT models	
Brake fluid type/specification	Hydraulic fluid to SAE J1703 (Duckhams Universal Brake and Clutch Fluid)	
Front drum brakes		
Type	Twin leading shoe	
Drum diameter	7.0 in (178 mm)	
Lining dimensions	6.75 in (171.4 mm) by 1.5 in (38.1 mm)	
Minimum lining thickness:		
Bonded type	0.06 in (1.5 mm) at thinnest point	
Riveted type	0.06 in (1.5 mm) above rivet heads	
Front disc brakes		
Type	Disc with twin piston caliper	
Disc diameter:		
Cooper S	7.5 in (190.5 mm)	
1275GT	8.4 in (213.4 mm)	
Maximum disc run-out	0.002 in (0.05 mm)	
Minimum pad thickness	0.06 in (1.5 mm)	
Rear brakes		
Type	Single leading shoe drum	
Drum diameter	7.0 in (178 mm)	
Lining dimensions	6.75 in (171.4 mm) by 1.25 in (31.7 mm)	
Minimum lining thickness:		
Bonded type	0.06 in (1.5 mm) at thinnest point	
Riveted type	0.06 in (1.5 mm) above rivet heads	
Torque wrench settings		
	lbf ft	Nm
Caliper retaining bolts	38	52
Disc to hub flange	42	57
Backplate retaining bolts	20	28
Master cylinder reservoir flange screws	5	7
Master cylinder body outlet plugs	28	39
Master cylinder pressure differential piston end plug	33	45
Pressure differential warning actuator end plug	26	35
Pressure differential warning actuator failure switch	14	19
Vacuum servo shell retaining bolts	17	23